dlc 96000439
(cont.)

X Collection

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Page: 1

Barcode Number	Box Number	Total of Volumes	Call Number
LIBRARY OF CONGRESS 0 029 767 400 6	1938 1 BOX	3	TH443–TH900
	1939	9	TH1065–TH5501
LIBRARY OF CONGRESS 0 029 767 401 8	1940	5	TH5606 no.1-5 (1950)
LIBRARY OF CONGRESS 0 029 767 402 A	1941 1 BOX	3	TH5606.Z9 no.1-3 (1948-52)
	1942	8	TH7201.A5–TH9148
LIBRARY OF CONGRESS 0 029 767 406 7	1945	7	TH9151 no.1-7 (1950-52) *
LIBRARY OF CONGRESS 0 029 767 403 1	1943	100	TH9237.U5 no.1-100 (1920-66)
LIBRARY OF CONGRESS 0 029 767 404 3	1944A	51	TH9237.U5 no.1-51 (1921-60)

* Follows Call # sequence

X Collection

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Barcode Number	Box Number	Total of Volumes	Call Number
LIBRARY OF CONGRESS 0 029 767 405 5	1944B	12	TH9237. U5 no. 52-63 (1953-60)
LIBRARY OF CONGRESS 0 029 767 407 9	1946A	54	TH9237. U5 no. 1-54 (1921-57)
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LIBRARY OF CONGRESS 0 029 767 416 A	1949B	28	TH9237. U5 no. 101-128 (1954-Undated)

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STANDARD

FOR

TIME-INDICATING

AND

RECORDING APPLIANCES

FIRST EDITION
OCTOBER, 1941

25

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FOR

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STANDARD
FOR
FIRE RESISTANCE CLASSIFICATION
OF
VAULT AND FILE STORAGE
ROOM DOORS

SUBJECTS 155 AND 669
SECOND EDITION
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FOR

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STANDARD

FOR

ELECTRICAL METALLIC

TUBING

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STANDARD

FOR

WEATHERPROOF, SLOWBURNING,

AND

SLOWBURNING-WEATHERPROOF

WIRES

SECOND EDITION
SEPTEMBER, 1942

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FOR

ELECTRIC TOYS

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SEPTEMBER, 1942

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STANDARDS
FOR
ELEVATOR ELECTRIC CONTACTS
AND
ELEVATOR HOISTWAY DOOR INTERLOCKS

SUBJECT 104
CONTACTS—FIFTH EDITION
INTERLOCKS—FOURTH EDITION
SEPTEMBER, 1942

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STANDARD

FOR

WIREWAYS,

AUXILIARY GUTTERS, AND

ASSOCIATED FITTINGS

EMERGENCY REQUIREMENTS

During the period of the National Emergency, the Requirements of this Standard will be affected by such Emergency Requirements as have been or may be issued by Underwriters' Laboratories, Inc., for this classification.

FIRST EDITION
OCTOBER, 1943

30-670

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STANDARD

FOR

FUSE-HOLDERS

THIRD EDITION
MAY, 1943

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STANDARD

FOR

TRANSFORMER-TYPE

ARC-WELDING EQUIPMENT

EMERGENCY REQUIREMENTS

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FIRST EDITION
SEPTEMBER, 1937
REPRINTED APRIL, 1945

551

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10

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STANDARD FOR TEAR-GAS SYSTEMS

EMERGENCY REQUIREMENTS

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SUBJECT 600
First Edition
January, 1945

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STANDARD
FOR
DELAYED ACTION
TIMELOCKS

SUBJECT 887
Second Edition
January, 1945

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STANDARD
FOR
HOLDUP ALARM
SYSTEMS

(FOR RESTRICTED DISTRIBUTION)

SUBJECT 636
Second Edition
June, 1945

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STANDARD

FOR

PORCELAIN CLEATS, KNOBS, AND TUBES

FIRST EDITION
NOVEMBER, 1937
REPRINTED OCTOBER, 1946

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STANDARD

FOR

CLASS "C" ASPHALT RAG-FELT SHEET ROOFING AND SHINGLES

SUBJECT 55(B)
NINTH EDITION
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STANDARD

FOR

ABSORPTION REFRIGERATING SYSTEMS

SUBJECT 207(b)
FIFTH EDITION
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FOR
BANDIT-RESISTING ENCLOSURES

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SUBJECT 752
SECOND EDITION
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FOR
AIR-CONDITIONING AND COMMERCIAL REFRIGERATING EQUIPMENT

SUBJECT 207 (A)
EIGHTH EDITION
FEBRUARY, 1946

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STANDARD
FOR
UNIT REFRIGERATING SYSTEMS

SUBJECT 207 (C)
EIGHTH EDITION
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STANDARD
FOR
FLAME ARRESTERS
FOR USE IN OPEN VENT PIPES
OF OIL STORAGE TANKS

SUBJECT 525
SECOND EDITION
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STANDARD

FOR

TEMPERATURE-INDICATING AND -REGULATING EQUIPMENT

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JANUARY, 1947

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STANDARD
FOR
FIRE RESISTANCE CLASSIFICATION
OF
RECORD PROTECTION EQUIPMENT:

CLASSES A, B, AND C—SAFES, CLASS C—INSULATED RECORD CONTAINERS WITH OR WITHOUT IMPACT, CLASSES D AND E—INSULATED FILING DEVICES

SUBJECT 72
SIXTH EDITION
APRIL, 1947

PRINTED IN U. S. A.

X-TH 9237
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STANDARD

FOR

BUSWAYS AND

ASSOCIATED FITTINGS

FIRST EDITION
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FOR

CHRISTMAS-TREE AND

DECORATIVE-LIGHTING OUTFITS

NINTH EDITION
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STANDARD

FOR

CONTROL UNITS FOR FIRE-PROTECTIVE SIGNALING SYSTEMS

FIRST EDITION
OCTOBER, 1948

864

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161 SIXTH AVE., NEW YORK 13

5
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4
5
49

March 23, 1949

Subject 44

To: Holders of the Standard for Rubber-Covered Wires and Cables.

Subject: Insulation Resistance of Type RU Rubber-Covered Wires.

There were no adverse co... ...tever in connection with the ... January 11 in ... values for ... given in the

...e in the ...se insert

...TORIES, INC.

...H
Engineer

TEMPERATURE Degrees Fahrenheit	Degrees Centigrade	CORRECTION FACTOR Types R, RW	Type RH	Type RU
50	10.0	0.60	0.73	0.72
51	10.6	0.63	0.76	0.74
52	11.1	0.67	0.78	0.76
53	11.7	0.71	0.80	0.78
54	12.2	0.75	0.83	0.80
55	12.8	0.79	0.86	0.82
56	13.3	0.82	0.88	0.85
57	13.9	0.86	0.91	0.89
58	14.4	0.90	0.94	0.92
59	15.0	0.95	0.97	0.96
60	15.6	1.00	1.00	1.00
61	16.1	1.05	1.03	1.06
62	16.7	1.10	1.07	1.12
63	17.2	1.16	1.10	1.19
64	17.8	1.22	1.13	1.26
65	18.3	1.28	1.17	1.33
66	18.9	1.34	1.20	1.41
67	19.4	1.41	1.24	1.50
68	20.0	1.48	1.28	1.60
69	20.6	1.55	1.32	1.70
70	21.1	1.63	1.36	1.80
71	21.7	1.71	1.40	1.91
72	22.2	1.80	1.45	2.02
73	22.8	1.89	1.50	2.13
74	23.3	1.98	1.55	2.24
75	23.9	2.08	1.59	2.35
76	24.4	2.18	1.64	2.46
77	25.0	2.29	1.69	2.57
78	25.6	2.40	1.75	2.68
79	26.1	2.52	1.80	2.79
80	26.7	2.65	1.86	2.90

Paragraph 182 revised March, 1949 — Standard for Rubber-Covered Wires and Cables

X-TH 9237
.U5
X-TH9237.U5
#27

X-TH 9237
.U5

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STANDARD

FOR

X-RAY EQUIPMENT

FIRST EDITION
APRIL, 1949

187

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STANDARD

FOR

ELECTRIC-DISCHARGE-LAMP

ACCESSORY EQUIPMENT

SECOND EDITION
DECEMBER, 1949

935

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Subject 514 February 21, 1949

To: Holders of the Standard for Outlet Boxes and Fittings.

Subject: Aluminum Outlet Boxes and Covers.

There were no adverse comments in connection with the proposal set forth in the Laboratories' bulletin of December 10, 1948, in which minimum values for the thickness and mechanical strength of sheet aluminum were suggested.

Accordingly, a printed sticker insert has been prepared, based on the information contained in the bulletin, and a copy is attached. Please insert this on page 7 of your copy of the Standard.

UNDERWRITERS' LABORATORIES, INC.

H. B. SMITH
Associate Electrical Engineer

X-TH 9237 .U5

21A An outlet box or cover made of a sheet-aluminum alloy shall be not less than 0.091 inch in thickness at any point, except that a sharply bent section having a radius of curvature of not more than ¼ inch may be less than 0.091 but not less than 0.087 inch in thickness; and no minus tolerance is applicable to either of these dimensions. The aluminum alloy shall have a tensile strength of not less than 17,000 pounds per square inch.

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STANDARD

FOR

INSTALLATION, CLASSIFICATION, AND CERTIFICATION OF

BURGLAR ALARM SYSTEMS

SUBJECT 681

THIRD EDITION

SEPTEMBER, 1949

(For Restricted Distribution)

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STANDARD

FOR

ELECTRIC HEATING

APPLIANCES

FIFTH EDITION
JANUARY, 1949

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STANDARD
FOR
BRANCH-CIRCUIT AND
SERVICE CIRCUIT-BREAKERS

THIRD EDITION
NOVEMBER, 1949

489

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Subject 873

May 10, 1949

To: Holders of the Standard for Temperature-Indicating and -Regulating Equipment.

Subject: Amended Table of Spacing Requirements.

There were no adverse comments in connection with the proposal contained in the Laboratories' bulletin of March 9. Accordingly, the accompanying revised page has been prepared -- and this should be inserted on page 20 of

		General			Maximum Rating of 1600 VA, 300 V		Range and Water-Heater Thermostats	
		A			B	C	D	
		0 – 150 Volts	151 – 300 Volts	301 – 600 Volts	Room Th'stats, 0 – 300 Volts	General, 0 – 300 Volts	0 – 150 Volts	151 – 300 Volts
Between any uninsulated live part and an uninsulated live part of opposite polarity, uninsulated grounded part other than the enclosure, or exposed metal part which is isolated (insulated)	Through Air or Oil	1/8 (a)(b)(g)	1/4 (b)(g)(h)	3/8 (b)(g)	1/16 (a)(c)	1/8 (a)(b)(g)	1/16 (a)(e)	1/8 (a)(e)
	Over Surface	1/4 (g)	3/8 (g)(h)	1/2 (g)	1/8 (a)(c)	1/4 (g)	1/8 (a)(e)	1/4 (e)
Between an uninsulated live part and the walls of a metal enclosure, including fittings for conduit or armored cable (f)	Shortest Distance	1/2	1/2	1/2	1/4	1/4	1/2 (d)	1/2 (d)

NOTE. The volt-ampere equivalent of a horsepower rating is to be taken as the product of the voltage and full-load current as given in the tables in paragraphs 150 and 153.

The spacings at an individual component part are to be judged on the basis of the total volt-ampere consumption of the equipment which the component part controls.

(a) The spacing between wiring terminals of opposite polarity shall be not less than 1/4 inch; except that if short circuiting or grounding of such terminals will not result from projecting strands of wire, the spacing need not be greater than that given in the above table.

(b) For a safety control, the spacing between wiring terminals, irrespective of polarity, and between wiring terminals and metal parts (including the enclosure) which may be grounded when the device is installed, shall be not less than 1/4 inch if a short circuit between such parts may result in unsafe operation of the controlled device.

(c) If the reduced spacings indicated in Column B of the table are employed, one sample of each representative room thermostat is required to meet annually the applicable overload and dielectric-strength tests.

X-TH 9237
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Subject 499 May 5, 1949

To: Holders of the Standard for Electric Heating Appliances.

Subject: Correction of Error in the Standard.

In our bulletin of February 3, 1948 there were presented for your consideration certain proposed revisions of the fourth edition of the Laboratories' Standard for Electric Heating Appliances, among which was a proposal for a modification of paragraph 55 of that edition. No objections were received concerning this proposal and the paragraph in question was amended accordingly.

It has been discovered that an error was made in the preparation of the text for the fifth edition of the Standard, and that paragraph 60 of the latter (paragraph 55 of the fourth edition became paragraph 60 of the fifth edition because of the insertion of new material in the Standard) is incorrect. The attached sticker, on which the error has been corrected, should be attached to page 13 of your copy of the Standard by superimposing it over the existing paragraph of corresponding number.

UNDERWRITERS' LABORATORIES, INC.

H. B. Smith

H. B. SMITH
Associate Electrical Engineer

(a) Ceramic materials and some molded compositions are considered to be acceptable generally for insulating bushings; but separate bushings of wood, so-called hot-molded shellac and tar compositions, or rubber materials are not considered to be acceptable.

Paragraph 60 corrected April, 1949 Standard for Electric Heating Appliances

X-IH9237.US
#35

X-TH 9237
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STANDARD
FOR
CENTRAL STATION
BURGLAR ALARM SYSTEMS

SUBJECT 611

FIFTH EDITION

APRIL, 1949

(For Restricted Distribution)

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STANDARD
FOR
ELECTRIC LIGHTING FIXTURES
FOR USE IN
HAZARDOUS LOCATIONS

SUBJECT 844
Fourth Edition
March, 1950

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STANDARD
FOR
ELECTRIC MOTORS AND GENERATORS
FOR USE IN
HAZARDOUS LOCATIONS

CLASS II, GROUPS F AND G

SUBJECT 674 (A)
SEVENTH EDITION
MAY, 1950

PRINTED IN U.S.A.

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STANDARD
FOR
ELECTRIC MOTORS AND GENERATORS
FOR USE IN
HAZARDOUS LOCATIONS
CLASS I, GROUP C AND D

PART I
INTEGRAL HORSEPOWER MOTORS

SUBJECT 674 (B)
EIGHTH EDITION
MAY, 1950

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STANDARD
FOR
ELECTRIC MOTORS AND GENERATORS
FOR USE IN
HAZARDOUS LOCATIONS
CLASS I, GROUP C AND D

PART II
FRACTIONAL HORSEPOWER MOTORS

SUBJECT 674 (C)
SEVENTH EDITION
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STANDARD SPECIFICATION FOR FIRE TESTS OF DOOR ASSEMBLIES

AMERICAN STANDARD A 2.2-1942
Subject 10(b)
SECOND EDITION
July, 1950

Printed in U.S.A.

TH 9237
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5 12 50

Subject 496 December 5, 1950

To: Holders of the Standard for Edison-Base Lampholders.

Subject: Aluminum Screw Shells.

Under date of August 3, the Laboratories addressed a bulletin to the Electrical Council and to manufacturers of listed Edison-base lampholders on the subject of aluminum screw shells, in which there was indicated a proposed change in the single-asterisk note at the bottom of the table in paragraph 82 of the January, 1949 edition of the Standard for Edison-Base Lampholders.

As the result of comments from all sources during the past three months, it has been judged to be advisable to amplify the note somewhat and to make it more specific regarding the characteristics of the aluminum alloy in question. Accordingly, the adopted text is that which appears on the attached sticker insert; and this should be inserted on page 14 of your copy of the Standard.

UNDERWRITERS' LABORATORIES, INC.

H. B. Smith

H. B. SMITH
Associate Electrical Engineer

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STANDARD

FOR

WIRE CONNECTORS

AND

SOLDERING LUGS

SECOND EDITION
MAY, 1950

486

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FOR

ELECTRIC LIGHTING FIXTURES

AND

PORTABLE LAMPS

FIFTH EDITION
JANUARY 1950
REPRINTED NOVEMBER, 1950
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FOR

VARNISHED-CLOTH

WIRES AND CABLES

THIRD EDITION
NOVEMBER, 1939
REPRINTED FEBRUARY, 1951

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FOR

INDICATOR POSTS

SUBJECT 262(c)
Second Edition
May, 1951

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Subject 496 June 1, 1951

To: Holders of the Standard for Edison-Base Lampholders.

Subject: Recognition of Brass for Screw-Shells of Weatherproof Lampholders.

A bulletin on this subject dated March 22 advised the Laboratories' Electrical Council and the manufacturers of listed Edison-Base Lampholders of a proposal to recognize brass for the screw-shells of weatherproof lampholders. The proposal followed a discussion of the subject at an Industry Advisory Conference meeting in February, at which it was the consensus that brass containing less than 80 percent of copper would be acceptable provided that it is properly annealed after processing and is capable of withstanding without cracking an immersion for 15 minutes in an aqueous solution of 100 grams of mercurous nitrate and 13 cc of nitric acid (sp.g. 1.42) per liter.

Accordingly, paragraph 75 of the Laboratories' Standard for Edison-Base Lampholders has been revised to delete the previous restriction and to permit the use of brass which has been shown by special investigation to be suitable for the purpose. Please insert the attached sticker on page 13 of your copy of the Standard.

UNDERWRITERS' LABORATORIES, INC.

H. B. SMITH
Associate Electrical Engineer

75 Screw-shells shall be of copper, brass, or other metal which has been investigated and found to be suitable for the purpose and, in the medium-base size, shall comply with the requirements of paragraphs 172-174. Aluminum screw-shells shall not be used in weatherproof lampholders, and brass shall not be employed unless it has been shown by special investigation to be suitable for the purpose.

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Subject 719 June 1, 1951

To: Holders of the Standard for Nonmetallic-Sheathed Cable.

Subject: Recognition of Three-Conductor Parallel Nonmetallic-Sheathed Cable.

There were no adverse comments resulting from the proposal set forth in the bulletin of March 22, addressed to the manufacturers of labeled nonmetallic-sheathed cable, to recognize a three-conductor parallel nonmetallic-sheathed cable on the basis of special investigation.

Accordingly, paragraph 37 of the Laboratories' Standard for Nonmetallic-Sheathed Cable has been revised by means of the attached sticker. Please insert this on page 10 of your copy of the Standard.

UNDERWRITERS' LABORATORIES, INC.

H. B. SMITH
Associate Electrical Engineer

Not less than two nor more than four insulated conductors shall be used in the assembly of nonmetallic-sheathed cable. A two-conductor cable may have the individual conductors laid parallel or twisted together in a helical lay beneath the outer covering. A three-conductor cable may have the individual conductors twisted together, or the individual conductors may be laid parallel if, as the result of special investigation of the cable, the construction is judged to be suitable for the purpose. A four-conductor cable shall have the individual conductors twisted together in a helical lay beneath the outer covering. The lay of twist for any number of conductors shall be as indicated in the following table.

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STANDARD

FOR

TIN-CLAD FIRE DOORS AND SHUTTERS

Subject 10(a)
Fourteenth Edition
July, 1951

PRINTED IN U. S. A.

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STANDARD

FOR

INDUSTRIAL CONTROL

EQUIPMENT

SEVENTH EDITION
JULY, 1938
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508

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STANDARD FOR FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS

SUBJECT 263
Fifth Edition
November, 1951

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STANDARD

FOR

SWING CHECK VALVES

(Regular Type)

SUBJECT 312
SECOND EDITION
SEPTEMBER, 1951

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STANDARD

FOR

ENCLOSED SWITCHES

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AUGUST, 1951

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STANDARD

FOR

FLEXIBLE STEEL

CONDUIT

THIRD EDITION
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STANDARD
FOR
DRY-CHEMICAL
HAND FIRE EXTINGUISHERS

SUBJECT 299
First Edition
June, 1952

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STANDARD

FOR

ELECTRIC TOYS

SECOND EDITION
DECEMBER, 1952

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STANDARD

FOR

TRANSFORMER-TYPE

ARC-WELDING MACHINES

SECOND EDITION
OCTOBER, 1952

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207 E. OHIO ST., CHICAGO 11, ILLINOIS

Subject 681 February 7, 1952

B U L L E T I N

TO: Holders of the Standard for Installation, Classification, and Certification of Burglar Alarm Systems.

A study of statistics secured from electric power and burglar alarm companies on the frequency and duration of major power interruptions on 110-v, a-c supply for electronic systems by the Laboratories' Industry Advisory Conference on Burglar Alarm Systems indicated that the Laboratories' requirements for stand-by power should be modified. Accordingly, paragraph 111--the interpretation of paragraph 110--of the Standard for Installation, Classification, and Certification of Burglar Alarm Systems has been revised.

Attached is a sticker insert carrying the revised text of paragraph 111. Please insert it at the proper place at the bottom of page 16 of your copy of the Standard.

UNDERWRITERS' LABORATORIES, INC.

H. W. GWYNN
Engineer

HWG:GK

111 The foregoing shall be interpreted as requiring standby power to maintain the system in normal condition automatically in the event of major interruption of 110-volt, A-C power source for periods as follows:

Local Bank Alarms and gong supply — 72 hr.

Local Mercantile Alarms in areas served by power facilities shown by experience to be dependable — 4 hr.

Central Station connected systems — No standby required, but elimination of accidental alarms from power interruptions up to 2 seconds duration recommended.

X-TH 9237

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Subject 10

February 7, 1952

B U L L E T I N

TO: Holders of the Standard for Tin-Clad Fire Doors and Shutters.

The Standard for Tin-Clad Fire Doors and Shutters has been revised to delete reference to "barbed" nails. Either smooth or barbed nails may be used for application of the metal covering on tin-clad fire doors and shutters in the future.

Attached is a sticker insert carrying the revised text of paragraph 41 and which indicates that paragraph 42 has been deleted.

Please insert this sticker at the proper place on page 10 of your copy of the Standard.

UNDERWRITERS' LABORATORIES, INC.

H. W. GWYNN
Engineer

HWG:GK

41 Nails for applying the metal covering shall be wire nails with flat heads. The shank of the nails shall be not less than 0.091 in. nor more than 0.109 in. in diameter.

X-TH 9237
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42 (Deleted)

Paragraph 41 revised and Paragraph 42 deleted December, 1951 — Standard for Tin-Clad Fire Doors and Shutters — Subject 10(a).

TH 9237
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Subject 19
Serial 4

February 5, 1952

B U L L E T I N

TO: Holders of the Standard for Cotton Rubber-Lined Fire Hose.

The Standard for Cotton Rubber-Lined Fire Hose has been revised to provide for investigation of fire hose jackets employing fibers other than cotton.

The attached sticker has, accordingly, been issued as an amendment, and should be inserted on page 5 of the April 1948 edition of the Standard.

E. N. DAVIS
Associate Chemical Engineer

END:GK

TH 9237
.U5

The jackets shall be well, evenly, and firmly made from good cotton, as free from unsightly defects, dirt, knots, lumps, and irregularities of twist as is consistent with good manufacturing practice. Jackets made of fibers or filaments other than cotton may be made the subject of a special investigation, and if found to be substantially equivalent, will be given recognition.

Paragraph 9 revised December, 1951 — Standard for Cotton Rubber-Lined Fire Hose — Subject 19.

X-TH 9237

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Subject 512 May 14, 1952

To: Holders of the Standard for Fuseholders.

Subject: Revisions of the Standard.

In a bulletin dated October 2, 1951 it was proposed that a new paragraph be added to the Laboratories' Standard for Fuseholders to give information concerning aluminum which is acceptable for use as screw-shells. Subsequent consideration indicated that it would be desirable to modify the proposed text of the new paragraph to omit the minimum tensile-strength value and to give additional particulars concerning the chemical composition; and it has been adopted as modified.

Experience has shown that a female, medium-base, aluminum screw-shell in a lampholder should have a minimum thickness of 0.015 inch; and that value is now specified in the Standard for Edison-Base Lampholders. It was concluded that the same minimum-thickness requirement should be applied to fuseholder screw-shells of aluminum, and paragraph 55 of the Standard for Fuseholders has been revised accordingly.

These amendments become effective on January 1, 1953. A printed sticker insert has been prepared to give the texts of the new and revised paragraphs for the Standard, and a copy of this sticker is attached. Please insert it on page 13 of your copy of the Standard.

UNDERWRITERS' LABORATORIES, INC.

W. H. Smith

WITH
Engineer

X-TH 9237 .U5

55 The screw-shell of a plug fuseholder shall be not less than 0.012 inch in thickness if of copper or a copper alloy, and shall be not less than 0.015 inch in thickness if of an aluminum alloy.

57A An aluminum alloy for use in a screw shell is required to be a wrought alloy employing manganese and or magnesium as the principal alloying material (with the possible addition of chromium), and containing not more than 1.5 percent of iron and silicon combined and not more than one percent of all other normal impurities of aluminum (including a maximum of 0.2 percent of copper).

Paragraph 55 revised and paragraph 57A added May, 1952 — Standard for Fuseholders

X-TH 9237.U5 #13

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STANDARD

FOR

ACETYLENE GENERATORS, STATIONARY, LOW-PRESSURE

SUBJECT 409
Second Edition
December, 1952

PRINTED IN U. S. A.

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STANDARD

FOR

FLEXIBLE CORD AND

FIXTURE WIRE

FOURTH EDITION
JULY, 1952

62

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STANDARD
FOR
FIRE RESISTANCE CLASSIFICATION
OF
RECORD PROTECTION EQUIPMENT

CLASSES A, B, AND C SAFES
CLASSES A, B, AND C INSULATED
RECORD CONTAINERS,
CLASSES D AND E INSULATED
FILING DEVICES

SUBJECT 72
Seventh Edition
July, 1952

PRINTED IN U. S. A.

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STANDARD

FOR

ALARM VALVES

SUBJECT 193
Second Edition
June, 1952

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STANDARD

FOR

SPECIALTY

TRANSFORMERS

FOURTH EDITION
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STANDARD

FOR

POWER-OPERATED

RADIO RECEIVING APPLIANCES

Approved as American Standard

August 20, 1952 by the

AMERICAN STANDARDS ASSOCIATION

ASA No. C65.1–1952

UDC 621.396.62

EIGHTH EDITION

OCTOBER, 1952

492

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FOR

PLAY PIPES

SUBJECT 385
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June, 1952

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FOR

ROSETTES

FIRST EDITION
OCTOBER, 1952

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STANDARD FOR HIGH-PRESSURE GAS MANIFOLDS

SUBJECT 407
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December, 1952

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STANDARD
FOR
AIR-CONDITIONING, COMMERCIAL, AND DOMESTIC REFRIGERATION EQUIPMENT

SUBJECT 207(A)
Ninth Edition
October, 1952

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STANDARD

FOR

GROUNDING AND BONDING

EQUIPMENT

SECOND EDITION
NOVEMBER, 1952

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STANDARD

FOR

ACETYLENE GENERATORS, PORTABLE, MEDIUM-PRESSURE

SUBJECT 297
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December, 1952

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STANDARD

FOR

COMMERCIAL-INDUSTRIAL GAS-HEATING EQUIPMENT

SUBJECT 795
First Edition
November, 1952

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STANDARD

FOR

DEAD-FRONT

SWITCHBOARDS

THIRD EDITION

JANUARY, 1953

891

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Subject 83 December 28, 1953

To: Holders of the Standard for Thermoplastic-Insulated Wires.

Subject: Optional Spark Test.

Attached to this bulletin is a sticker insert carrying the revised text of paragraphs 107-109 of the Laboratories' Standard for Thermoplastic-Insulated Wires. These paragraphs have been amended in accordance with the bulletin of October 5, 1953.

Plan A has been dropped from the spark-test program, and Plan B has been extended to include single-conductor wires up to and including the No. 4/0 Awg size, effective forthwith.

Please insert this sticker in your copy of the Standard.

ATORIES, INC.

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Optional Spark Test

General

107 In lieu of the dielectric-strength and insulation-resistance tests described in paragraphs 76–106 and 163–165 (tests on 100 percent production), a partial substitution of spark testing may be employed for the No. 4/0 Awg and smaller sizes of Types T and TW single-conductor, 600-volt wires as described below, provided that the test equipment and procedure are in full compliance with the following paragraphs and involve no objectionable features.

108 If all finished Type T or TW wire of a particular size passes a spark test as indicated in the following table, only ten percent of that wire need be subjected to the regular dielectric-strength and insulation-resistance tests, provided that the ten percent tested is immersed for the full twelve-hour period.

109

Awg Size of Wire	Spark Test Potential in Volts
14–10	7,500
8–2	10,000
1–4/0	12,500

Paragraphs 107 – 109 revised December, 1953 — Standard for Thermoplastic-Insulated Wires, Third Edition

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Subject 618

December 23, 1953

TO: Holders of the Standard for Concrete Masonry Units

SUBJECT: New Edition of Standard

Enclosed is a copy of the December, 1953 edition of Underwriters' Laboratories, Inc.'s Standard for Concrete Masonry Units. This is the fourth edition and supersedes the edition of July, 1949. It becomes effective immediately.

Extra copies of this Standard are available upon request.

UNDERWRITERS' LABORATORIES, INC.

H. W. Gwynn

H. W. GWYNN
Engineer

HWG:RMC

X-TH 9237
.U5

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Subject 62 January 29, 1954

To: Holders of the Standard for Flexible Cord and Fixture Wire.

Subject: Conductor Material in Heater Cords.

There were no adverse comments whatever in connection with the proposal set forth in the Laboratories' bulletin of December 8 on this subject; and, accordingly, paragraph 19 of the Standard has been amended to permit the acceptance of heater cord employing a special copper-alloy conductor having a resistance of not less than 80 percent, provided that the cord is judged to be suitable for the purpose on the basis of a special investigation.

Please insert the attached sticker on page 22 of your copy of the Standard.

UNDERWRITERS' LABORATORIES, INC.

H. B. Smith

H. B. SMITH
Standards Engineer

X-TH 9237
.U5

19. All conductors shall employ soft annealed copper only, except that Type AF fixture wire may employ nickel (flexible stranding), and a heater cord may employ a special copper-alloy conductor having a conductivity not less than 80 percent if the finished cord is judged to be suitable for the purpose on the basis of a special investigation. Steel strands for mechanical strength may be employed in a Type E, EO, or ET elevator cable; and, if so used, the steel strands shall be run straight through as a cotton- or rubber-covered central wire and shall not be cabled with the copper strands of any conductor.

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STANDARD

FOR

FIBER CONDUIT

FIRST EDITION
JANUARY, 1954

543

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MERWIN BRANDON, VICE PRESIDENT

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Subject 198

February 26, 1954

To: Holders of the Standard for Fuses.

Subject: Washers at the Interior Terminals of Renewable Cartridge Fuses.

The Laboratories' bulletin of December 7 on the subject of "Heating of Renewable Cartridge Fuses" discussed briefly the heating at the interior terminals of renewable fuses due to slightly loosened contacts; and the proposal was presented to the Laboratories' Electrical Council and the manufacturers of labeled renewable cartridge fuses that the Standard for Fuses be amended to include a requirement for the use of an acceptable spring or compression washer at each link terminal of a renewable cartridge fuse of the knife-blade type.

There followed a discussion of the proposal by correspondence with some of the fuse manufacturers; and the result has been a general agréement that this step in the direction of reducing the heating in renewable fuses is desirable. Accordingly, the Standard is now being amended by the insertion of a new paragraph 35A which contains the details of this requirement. This revision is contained in the attached sticker which should be inserted on page 10 of your copy of the Standard.

This new requirement will become effective on September 1, 1954. In the meantime, the manufacturers of labeled renewable cartridge fuses of the knife-blade type should submit samples as promptly as possible in order to expedite the changes which will need to be made in their Label Service Procedures for the products in question.

UNDERWRITERS' LABORATORIES, INC.

H. B. SMITH
Standards Engineer.

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STANDARD
FOR
REFRIGERANT-CONTAINING COMPONENTS

SUBJECT 207(C)
First Edition
January, 1954

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Subject 573

New York 13, N. Y.
July 12, 1961

To: Electrical Council of Underwriters' Laboratories, Inc.,
and
Manufacturers of Listed Electric Air Heating Appliances, Duct Heaters, and Central Heating Furnaces

Subject: Requirements Applicable to Electric Space Heating Equipment, and Review of Listed Equipment

In our letter dated April 19, 1961 which accompanied the new Standard for Electric Space Heating Equipment, it was indicated that all of the requirements of the Standard would be effective immediately and that it was anticipated that a review of all listed equipment would be completed prior to April 1,1962 to determine compliance with the new requirements.

The purpose of this letter is to clarify the Laboratories position with respect to new submittals made between the date of issuance of the Standard and April 1, 1962, and to indicate the first step required in connection with the review of present listed items.

If a manufacturer wishes to submit a design of equipment which was formulated prior to the issuance of the Standard, or which is an extension of a present design which will require modification in accordance with the requirements of the new Standard, upon his specific request, the submittal can be considered in the light of the requirements previously applicable from the August, 1956 edition of the Standard for Electric Heating Appliances. If the equipment meets these requirements, it will be listed and will then be subject to the same review and, unless subsequently modified to meet the requirements of the new Standard, will be dropped from listing at such time and in the same manner as other equipment which is found not to meet the requirements of the new Standard.

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UL 512
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UDC 621.316.923
May 11, 1961

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5 - MAY -
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AIR DUCTS

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NOVEMBER, 1961

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IN ANSWERING
PLEASE REFER TO

Subject 573

Chicago 11, Illinois
August 20, 1962

5 - AUG 2 0
COPY 1962

TO: Electrical Council of Underwriters' Laboratories, Inc.
and
Manufacturers of Electric Air Heaters

SUBJECT: Marking of Wall Insert Space Heaters

In the recently issued Standard on Electric Space-Heating Equipment provision was made in paragraphs 212 and 251 for the marking of wall insert heaters of other than the baseboard type, to indicate that they were for mounting with the bottoms not less than 2 ft from the floor.

Mr. R. E. Ward, a member of our Electrical Council and the Chief Electrical Inspector for the State of Tennessee, and a number of the electric cooperatives in that area who utilize these heaters, have called our attention to the problem which this marking is creating. It apparently is resulting in the utilization of heaters much less desirable from the safety standpoint.

The records of the Electrical Inspection Department of the State of Tennessee also indicate that the relatively few fires that have resulted from the installation of wall insert type electric heaters have been due to the placing of furniture in front of these heaters during the summer months with resultant ignition when the room thermostats call for heat in cooler weather, and the suggestion was made that the incorporation of a manual reset thermostat in the heater, designed to simultaneously interrupt all ungrounded conductors in the "off" position, as described in Section 422-29 of the National Electrical Code, 1959 Edition, or the incorporation of a manual disconnect switch which likewise opens all ungrounded conductors in the "off" position would result in increased safety and permit the installation of the unit heaters at whatever height from the floor that is acceptable to the local inspection authorities.

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5 - JAN 16
Copy 1963

Subject 508

Chicago 11, Ill.
December 26, 1962

To: Holders of the Standard for Industrial Control Equipment

Subject: Revised Edition of the Standard for Industrial Control Equipment

Accompanying this letter is a copy of the December, 1962, revised edition of the Laboratories' Standard for Industrial Control Equipment. This is the ninth edition, superseding the eighth edition of May, 1956.

The revised edition of the standard has been prepared as a result of careful study of the subject by the Laboratories staff; it has been reviewed by and discussed with the manufacturers of listed industrial control equipment, and with others known to have an interest in the requirements that the standard contains; and it has been approved by the Laboratories Electrical Council, which is comprised largely of inspection authorities throughout the United States.

The contents of this edition of the standard are in accordance with the Laboratories' bulletins of August 8, 1961, May 24, 1962, and September 25, 1962; and there have been a few further modifications of a purely editorial nature.

The requirements in the ninth edition of the standard are effective forthwith, except that the requirements in paragraphs 101, 105, 235, and in the final sentence of paragraph 50 do not become effective until January 1, 1964, and the requirements in paragraphs 57-62 and 116 and in Tables VI and VII do not become effective until July 1, 1964. Between now and the time that these paragraphs and tables become effective, it is expected that each manufacturer will review each item of his product that is now listed to determine whether or not it complies in all respects with the requirements given in the new edition, and that he will make all changes necessary for compliance, keeping the Laboratories informed of his activities in this respect.

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INDUSTRIAL CONTROL EQUIPMENT

UL 508

Ninth Edition

DECEMBER, 1962

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DOMESTIC-TYPE INCINERATORS

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2½-GALLON STORED-PRESSURE, WATER-TYPE FIRE EXTINGUISHERS

UL 626

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ELECTRICAL CONSTRUCTION MATERIALS LIST

MAY 1963

SEE ALSO ELECTRICAL APPLIANCE AND UTILIZATION EQUIPMENT LIST